



Hi-Speed Industrial Service
7030 Ryburn Dr
Millington, Tn 38053
901-873-5300

AC Recondition Repair Report

Reynolds Metals company
1333 highway 270
Malvern, AR 72104

Performed By: Motor Shop LR 1
Date Completed: 1/6/2021

FolderID: 97686
FormID: 9644865

Priorities Found: ● 1 - High ● 14 - Good

General

- | | |
|----------------|----------|
| 1. Job Number | 97686 |
| 2. Report Date | |
| 3. Customer | REYNOLDS |

Name Plate Information

- | | | |
|-----------------|-------------|----|
| 4. Manufacturer | US ELECTRIC | P5 |
|-----------------|-------------|----|



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5.	Model	
6.	Serial Number	
7.	Horsepower	25
8.	KW	
9.	Volts	
	208-230/460	
10.	Amps	
	65.00-57.00/28.40	
11.	RPM	3530
12.	Frame	284T
13.	Enclosure	TEFC
14.	Cycles	60
15.	Phase	3
16.	Service Factor	1.25
17.	Motor Mount Position	
Initial Inspection		
18.	Number of Leads	
19.	Lead Length	15 Inches
20.	Lead Size	
21.	Lead Condition	(P) Pass
22.	Lead Markings	1-12
23.	Lug Size, Condition, and Type	
24.	Winding RTD's	

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25.	Winding Rtd's Condition		
26.	Shaft Run Out	0.001	
27.	Does Shaft Turn Freely	yes	
28.	Does Shaft Have Visible Damage	no	
29.	Bearing Rtd's		
30.	Bearing Rtd's Condition		
31.	Contamination		
	Yes		
32.	Frame Condition	(P) Pass	
33.	Fan Condition	(P) Pass	
34.	Broken or missing components		
Initial Electric Test			
35.	Resistance to Ground	Mohm	
36.	Winding Resistance 1-2		
37.	Winding Resistance 2-3		
38.	Winding Resistance 1-3		
39.	Resistive Imbalance		
40.	Hi-Pot		
41.	Surge Test	(P) Pass	P58
<div>    </div>			
42.	Stator Condition	good	
43.	Failure Location		
Initial Rotor Inspection			
44.	Rotor Type	squirrel cage	

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45.	Air Gap <10% Variation		
46.	Number of Rotor Bars		
47.	Number of Broken Rotor Bars	0	
● 48.	Growler Test	(P) Pass	
● 49.	Rotor Condition	(P) Pass	
Mechanical Inspection			
50.	Bearing Manufacture	C&U	
51.	Bearing DE Size	6310Z	P15
 			
52.	Bearing DE Type	regular ball bearing	
53.	DE Bearing Qty.	1	
54.	Bearing ODE Size	6207	P43
 			
55.	Bearing ODE Type	regular ball bearing	
56.	ODE Bearing Qty.	1	
57.	Insulated Bearing	no	
58.	Lubrication Type	grease	



60. Bearing Retainers	(NA) Not Applicable
61. Shaft Grounding Device	(NA) Not Applicable
62. DE Seal	(NA) Not Applicable
63. DE Seal Type/Size	
64. ODE Seal	
65. ODE Seal Type/Size	

Root Cause of Failure

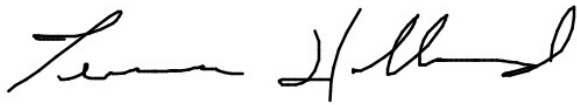
66. Component Failure	
67. Cause of Failure	P14



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68. Comments
69. Service Technician


Terrence. Holland



Machine Fit Inspection Report

70.	Shaft Run Out	
71.	Initial Shaft Run Out	
72.	Final Shaft Run Out	
73.	DE Bearing Shaft Fit	(P) Pass
74.	DE Initial Shaft Bearing Fit Size 1	1.9686 "
75.	DE Initial Shaft Bearing Fit Size 2	1.9686 "
76.	DE Initial Shaft Bearing Fit Size 3	1.9687 "
77.	DE Finial Shaft Bearing Fit Size 1	
78.	DE Finial Shaft Bearing Fit Size 2	
79.	DE Finial Shaft Bearing Fit Size 3	
80.	ODE Bearing Shaft Fit	(P) Pass
81.	ODE Initial Shaft Bearing Fit Size 1	1.3781 "
82.	ODE Initial Shaft Bearing Fit Size 2	1.3781 "
83.	ODE Initial Shaft Bearing Fit Size 3	1.3781 "
84.	ODE Finial Shaft Bearing Fit Size 1	
85.	ODE Finial Shaft Bearing Fit Size 2	
86.	ODE Finial Shaft Bearing Fit Size 3	
87.	DE Air Seal Shaft Fit	
88.	DE Initial Air Seal Shaft Size	
89.	DE Final Air Seal Shaft Size	
90.	ODE Air Seal Shaft Fit	
91.	ODE Initial Air Seal Shaft Size	
92.	ODE Final Air Seal Shaft Size	
93.	DE Endbell Fit	(P) Pass
94.	DE Initial Endbell Fit Size 1	4.3307 "
95.	DE Initial Endbell Fit Size 2	4.3308 "
96.	DE Initial Endbell Fit Size 3	4.3307 "
97.	DE Final Endbell Fit Size 1	
98.	DE Finial Endbell Fit Size 2	
99.	DE Final Endbell Fit Size 3	
100.	DE Endbell Fit Insulated	
101.	DE Endbell Air Seal Fit	
102.	Initial Endbell Air Seal Fit Size	
103.	Finial Endbell Air Seal Fit Size	
104.	ODE Endbell Fit	(P) Pass
105.	ODE Initial Endbell Fit Size 1	2.8352 "
106.	ODE Initial Endbell Fit Size 2	2.8355 "
107.	ODE Initial Endbell Fit Size 3	2.8352 "
108.	ODE Final Endbell Fit Size 1	
109.	ODE Final Endbell Fit Size 2	

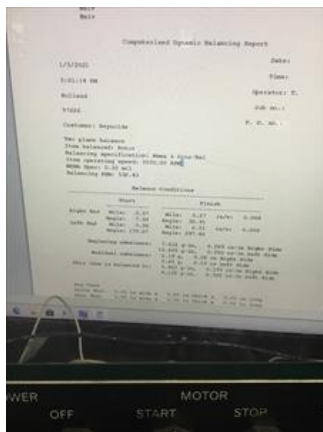
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110. ODE Final Endbell Fit Size 3	
111. ODE Endbell Fit Insulated	
112. ODE Endbell Air Seal Fit	
113. ODE Initial Endbell Seal Fit Size	
114. ODE Final Endbell Seal Fit Size	
115. Foot Flatness	(P) Pass
116. Foot Condition	(P) Pass
117. Flange Condition	(NA) Not Applicable
118. Service Technician	Terrence Holland
	

Balancing Report



119. Balance Type standard P6



120. Balance Operating Speed	538.4299999999999 RPM
121. Start Left End	0.36 Mills
122. Start Right End	0.37 Mills
123. Balancing Specification	
124. Finish Left End	0.21 Mills
125. Finish Right End	0.27 Mills
126. Service Technician	Terrence Holland

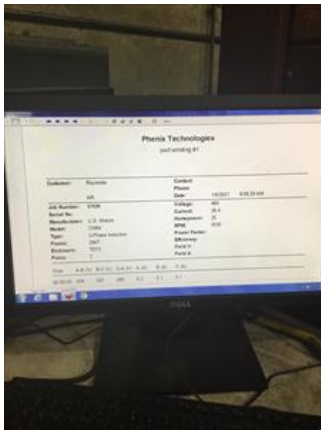
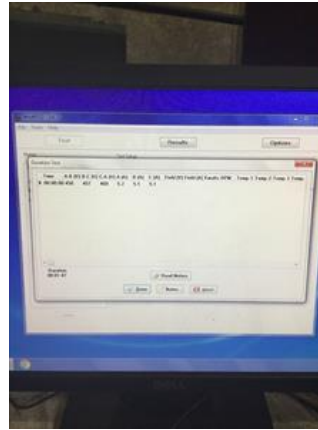


Assembly and Final Test



127. Meggar Testing Reading	Mohm
128. Surge Test	(P) Pass
129. Hi-Pot	
130. Winding Resistance 1-2	
131. Winding Resistance 2-3	
132. Winding Resistance 1-3	

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134. Test Run Amps A

135. Test Run Voltage Phase B

136. Test Run Amps B

137. Test Run Voltage Phase C

138. Test Run Amps C

139. DE Horizontal Vibration Reading **0.070000000000000001 In/Sec**140. DE Vertical Vibration Reading **0.01 In/Sec**141. DE Axial Vibration Reading **0.04 In/Sec**142. ODE Horizontal Vibration Reading **0.01 In/Sec**143. ODE Vertical Vibration Reading **0.09 In/Sec**144. ODE Axial Vibration Reading **0.03 In/Sec**

145. Ambient Temp at start of Test Run

146. Temp at 5 minutes

147. Temp at 10 minutes

148. Temp at 15 minutes

149. Temp at 20 minutes

150. Temp at 25 minutes

151. Temp at 30 minutes

152. Temp at 35 minutes

153. Temp at 40 minutes

154. Temp at 45 minutes

155. Temp at 50 minutes

156. Temp at 55 minutes

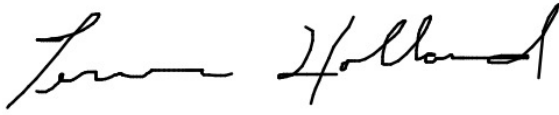
157. Temp at 60 minutes

● 158. Motor Paint

(P) Pass

P136



A handwritten signature in black ink, appearing to read "Terrence Holland", is written over a light gray rectangular background.